

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV043019\  
 Data File : VV010566.D  
 Acq On : 29 Apr 2019 23:35  
 Operator : SY/MD  
 Sample : K2590-07  
 Misc : 25mL/MSVOA V/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0X98

Quant Time: Apr 30 07:41:07 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Apr 30 06:45:30 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 204202   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 203462   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 92174    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 47392    | 4.77     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 95.40%   |
| 7) Chloroethane-d5             | 1.57   | 69    | 32292    | 6.08     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 121.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 66023    | 3.53     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 70.60%   |
| 20) 2-Butanone-d5              | 3.93   | 46    | 129606   | 50.59    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 101.18%  |
| 24) Chloroform-d               | 4.40   | 84    | 127304   | 4.78     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.60%   |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 65968    | 5.37     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 107.40%  |
| 32) Benzene-d6                 | 5.10   | 84    | 258719   | 5.15     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 73029    | 5.10     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 102.00%  |
| 41) Toluene-d8                 | 7.36   | 98    | 243245   | 5.07     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.40%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 27242    | 4.98     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 99.60%   |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 113364   | 49.08    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 98.16%   |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 55716    | 4.90     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 98.00%   |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 108138   | 6.09     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 121.80%# |

## Target Compounds

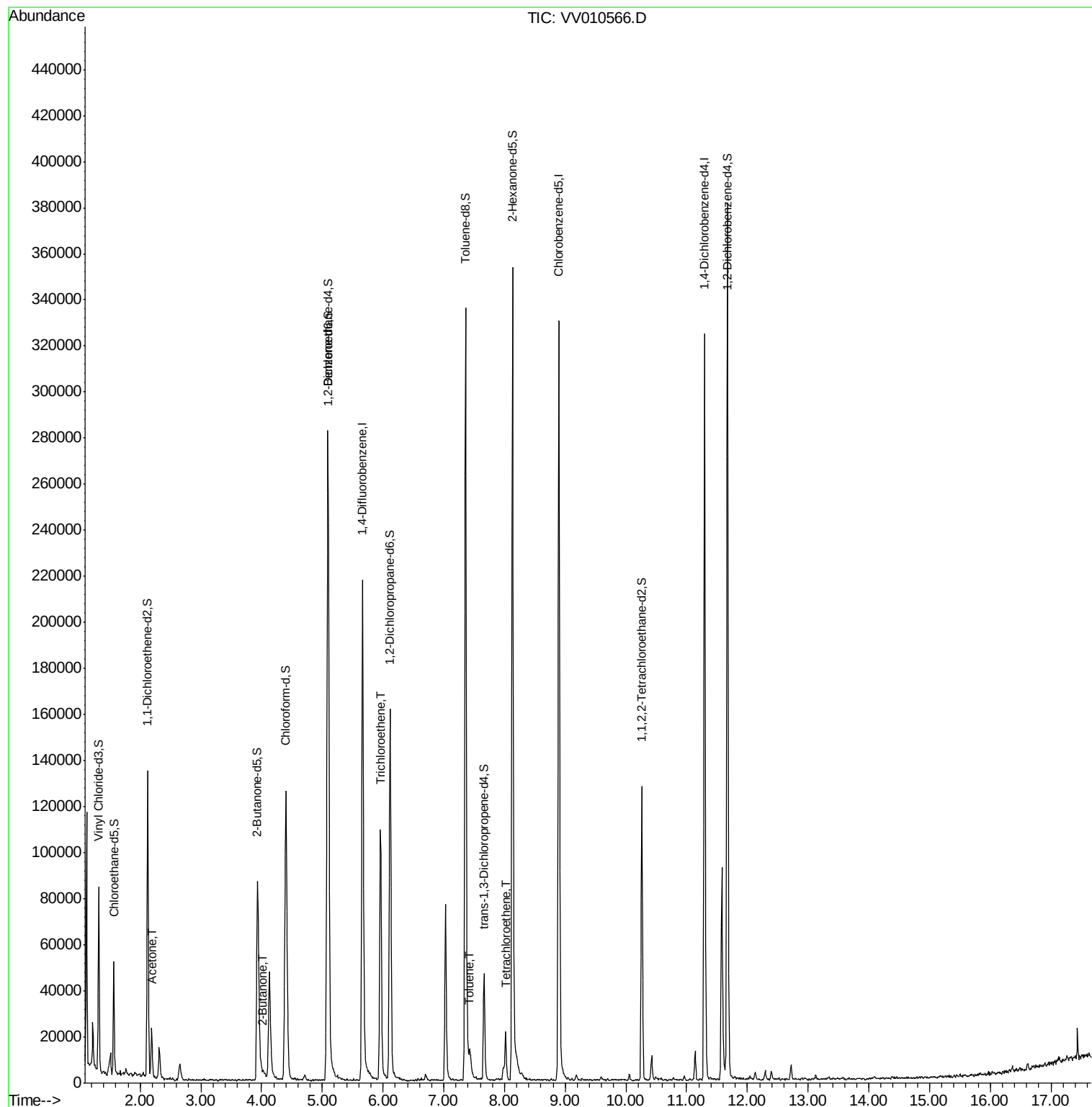
|                       |      |     |       |        | Ovalue    |
|-----------------------|------|-----|-------|--------|-----------|
| 13) Acetone           | 2.19 | 43  | 18327 | 14.361 | ug/L 100  |
| 21) 2-Butanone        | 4.03 | 43  | 3295  | 1.249  | ug/L # 62 |
| 34) Trichloroethene   | 5.96 | 95  | 37140 | 2.424  | ug/L 98   |
| 42) Toluene           | 7.43 | 91  | 5679  | 0.098  | ug/L 95   |
| 47) Tetrachloroethene | 8.02 | 164 | 5040  | 0.352  | ug/L 90   |

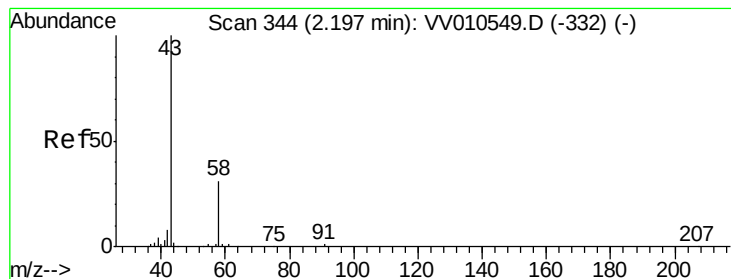
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 14.361 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV010566.D

Acq: 29 Apr 2019 23:35

Instrument :

MSVOA\_V

ClientSampled :

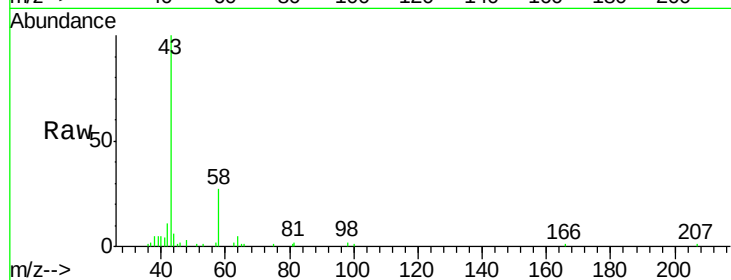
C0X98

Tot Ion: 43 Resp: 18327

Ion Ratio Lower Upper

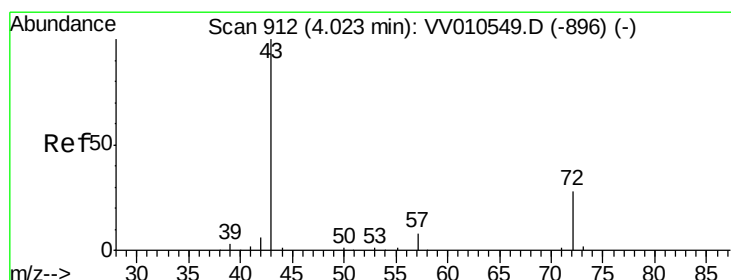
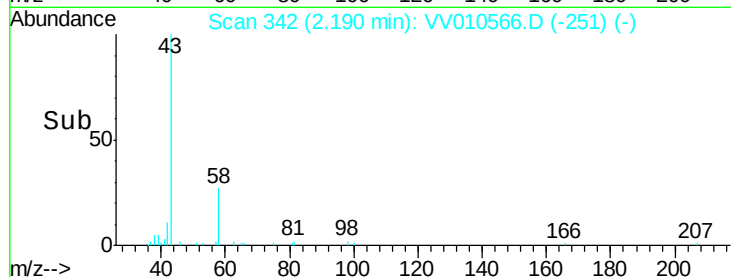
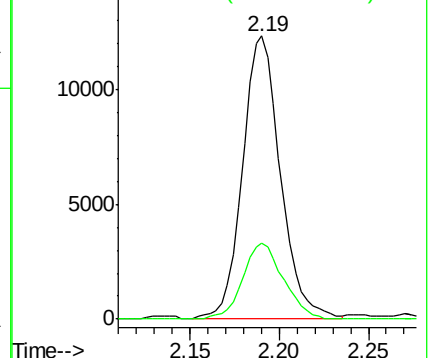
43 100

58 28.7 0.0 57.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#21

2-Butanone

Concen: 1.249 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.00 min

Lab File: VV010566.D

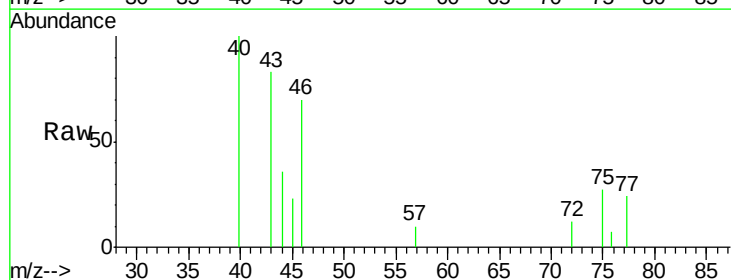
Acq: 29 Apr 2019 23:35

Tgt Ion: 43 Resp: 3295

Ion Ratio Lower Upper

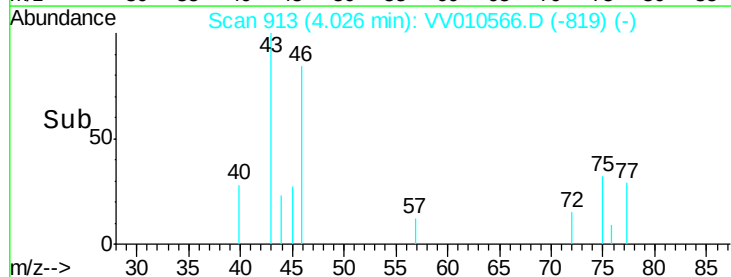
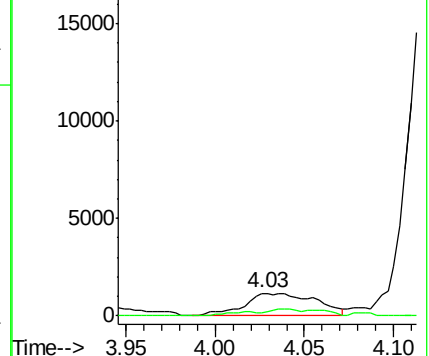
43 100

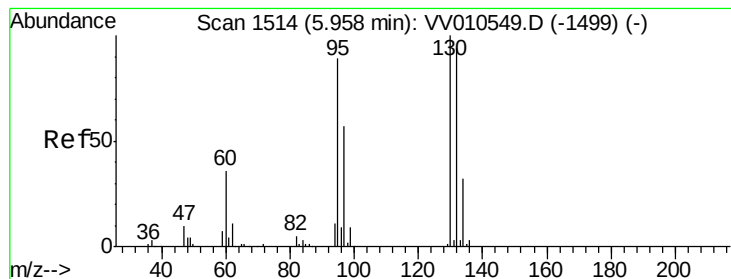
72 8.6 14.6 43.8#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0





#34

Trichloroethene

Concen: 2.424 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV010566.D

Acq: 29 Apr 2019 23:35

Instrument :

MSVOA\_V

ClientSampled :

C0X98

Tot Ion: 95 Resp: 37140

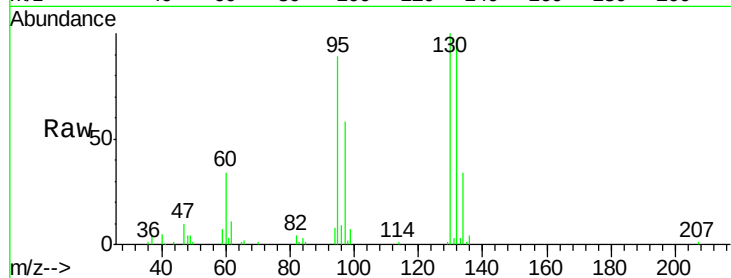
Ion Ratio Lower Upper

95 100

97 64.7 43.3 80.5

132 108.8 74.1 137.5

130 112.0 79.5 147.6

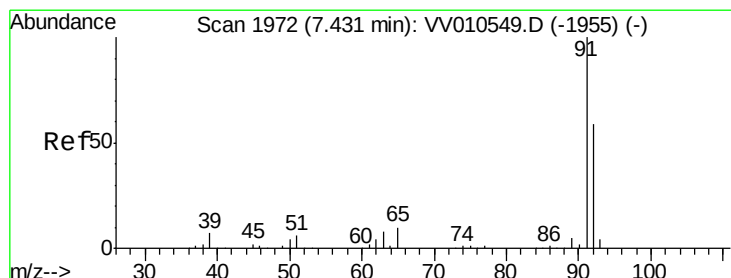
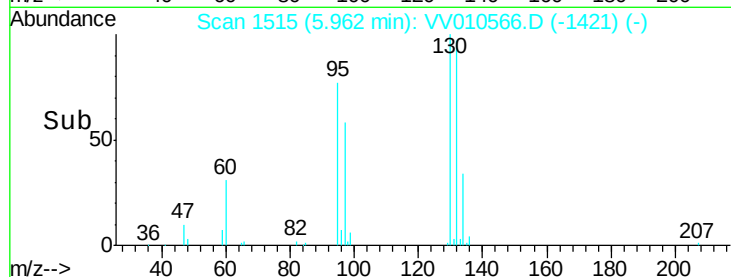
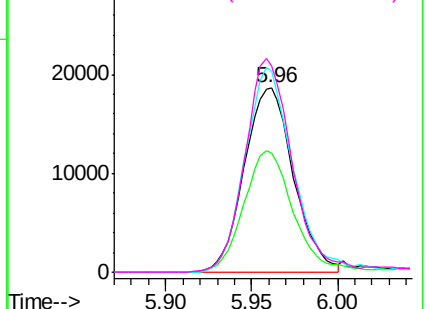


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#42

Toluene

Concen: 0.098 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010566.D

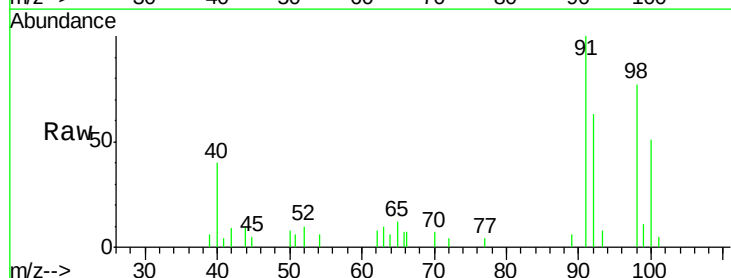
Acq: 29 Apr 2019 23:35

Tgt Ion: 91 Resp: 5679

Ion Ratio Lower Upper

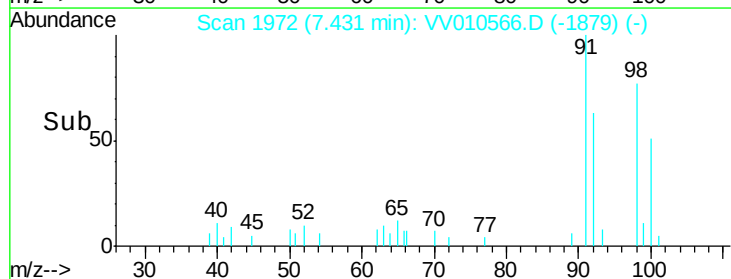
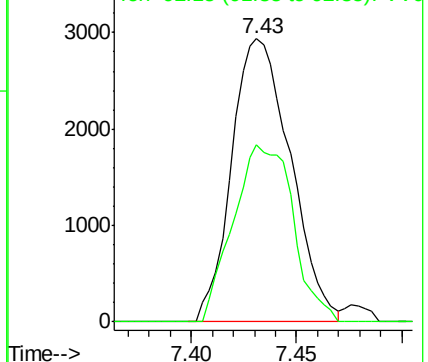
91 100

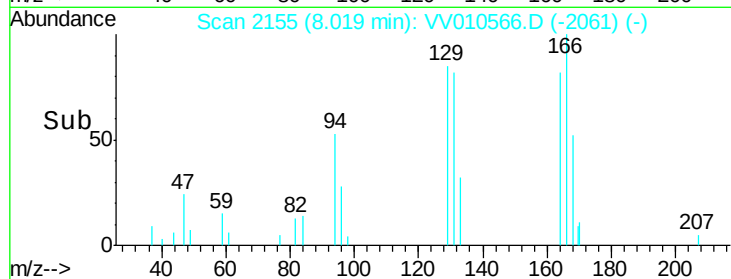
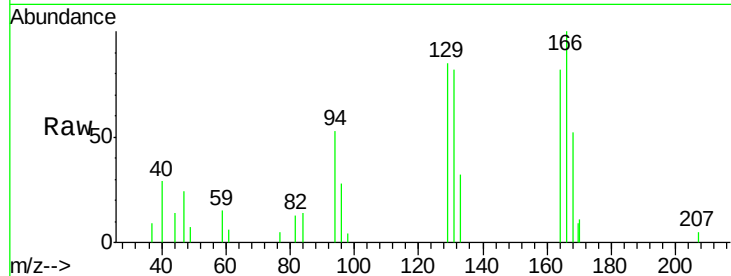
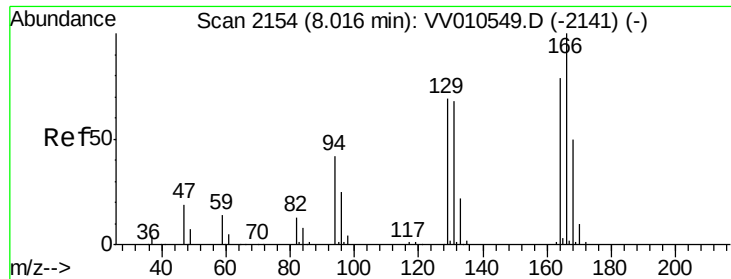
92 62.7 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0





#47

Tetrachloroethene

Concen: 0.352 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV010566.D

Acq: 29 Apr 2019 23:35

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0X98

Tot Ion:164 Resp: 5040

Ion Ratio Lower Upper

164 100

129 103.3 62.2 115.4

131 100.6 61.5 114.1

166 122.2 89.1 165.5

Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

